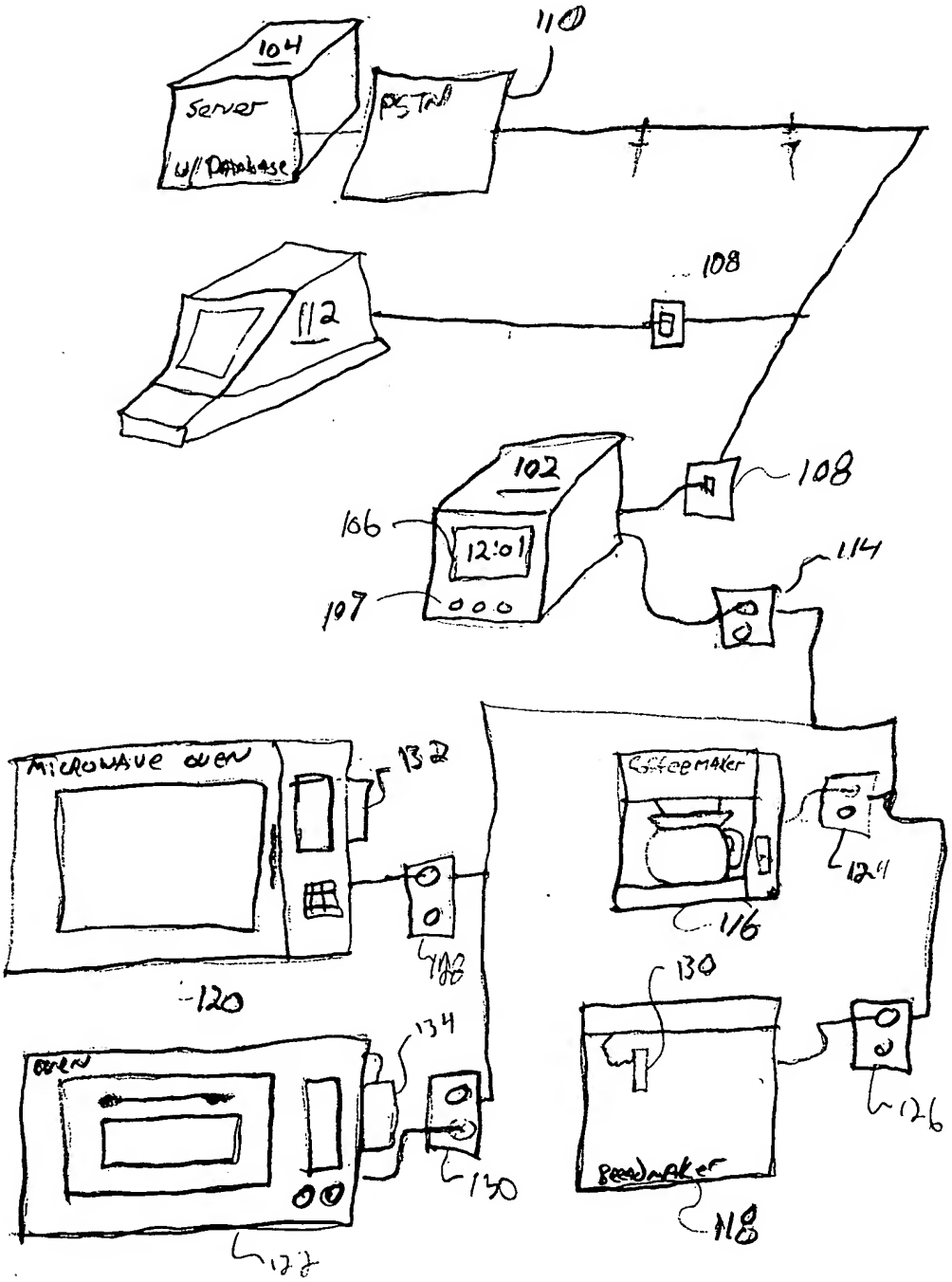
104
Server
w/ Database
110
PSTN
112
108
102
106
12:01
107
108
114
Microwave oven
132
120
Coffeemaker
124
116
130
134
oven
130
126
Breadmaker
118
127

FIG. 1

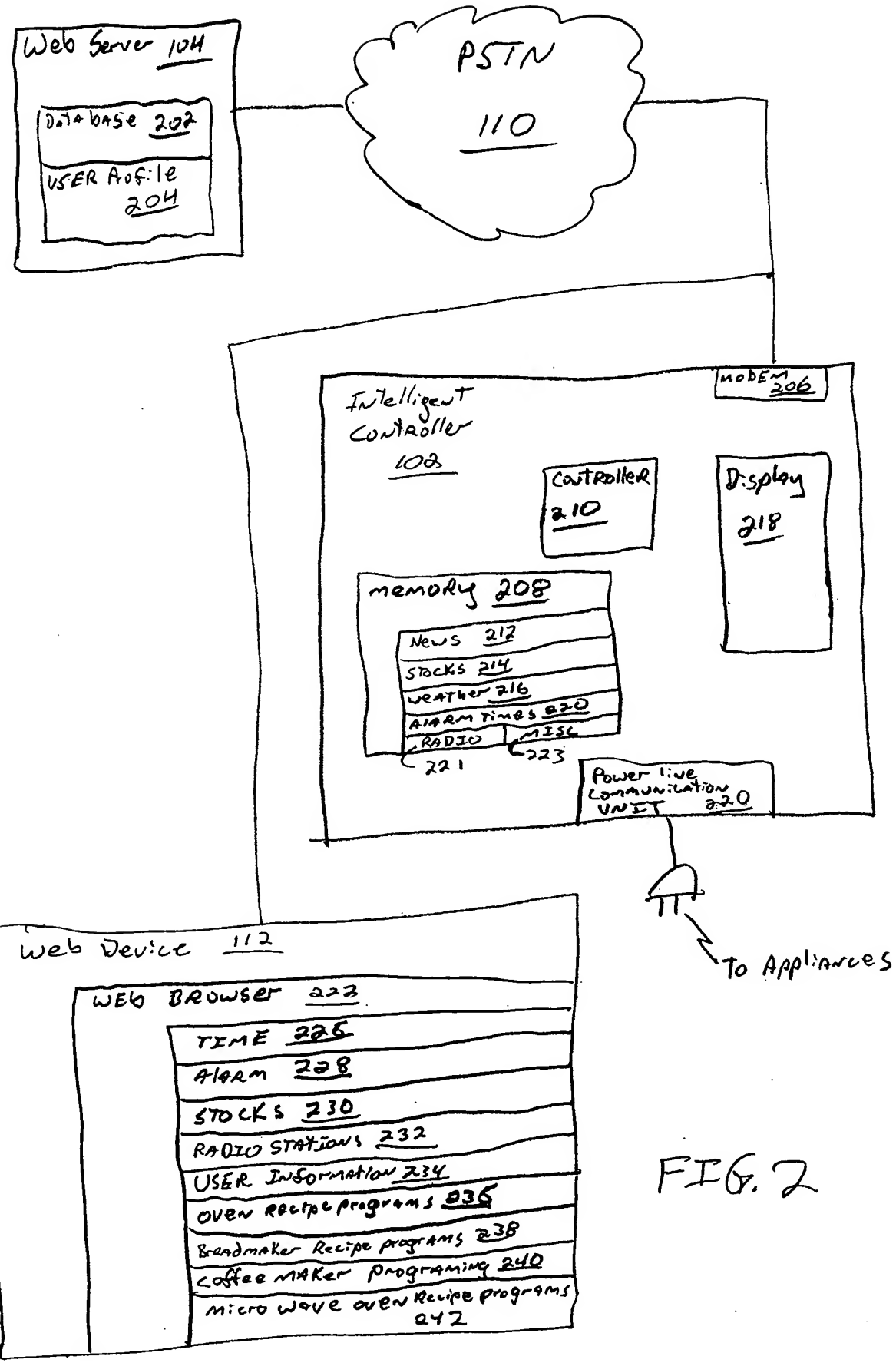
Web Server 104
Database 202
USER Profile 204
PSTN 110
Intelligent Controller 102
MODEM 206
Controller 210
Display 218
memory 208
News 212
STOCKS 214
WEATHER 216
ALARM Times 220
RADIO
MISC
221
223
Power line Communication UNIT 220
To Appliances
Web Device 112
WEB BROWSER 222
TIME 226
ALARM 228
STOCKS 230
RADIO STATIONS 232
USER INFORMATION 234
Oven Recipe programs 236
Breadmaker Recipe programs 238
Coffee MAKER Programing 240
Micro wave oven Recipe programs 242

FIG. 2

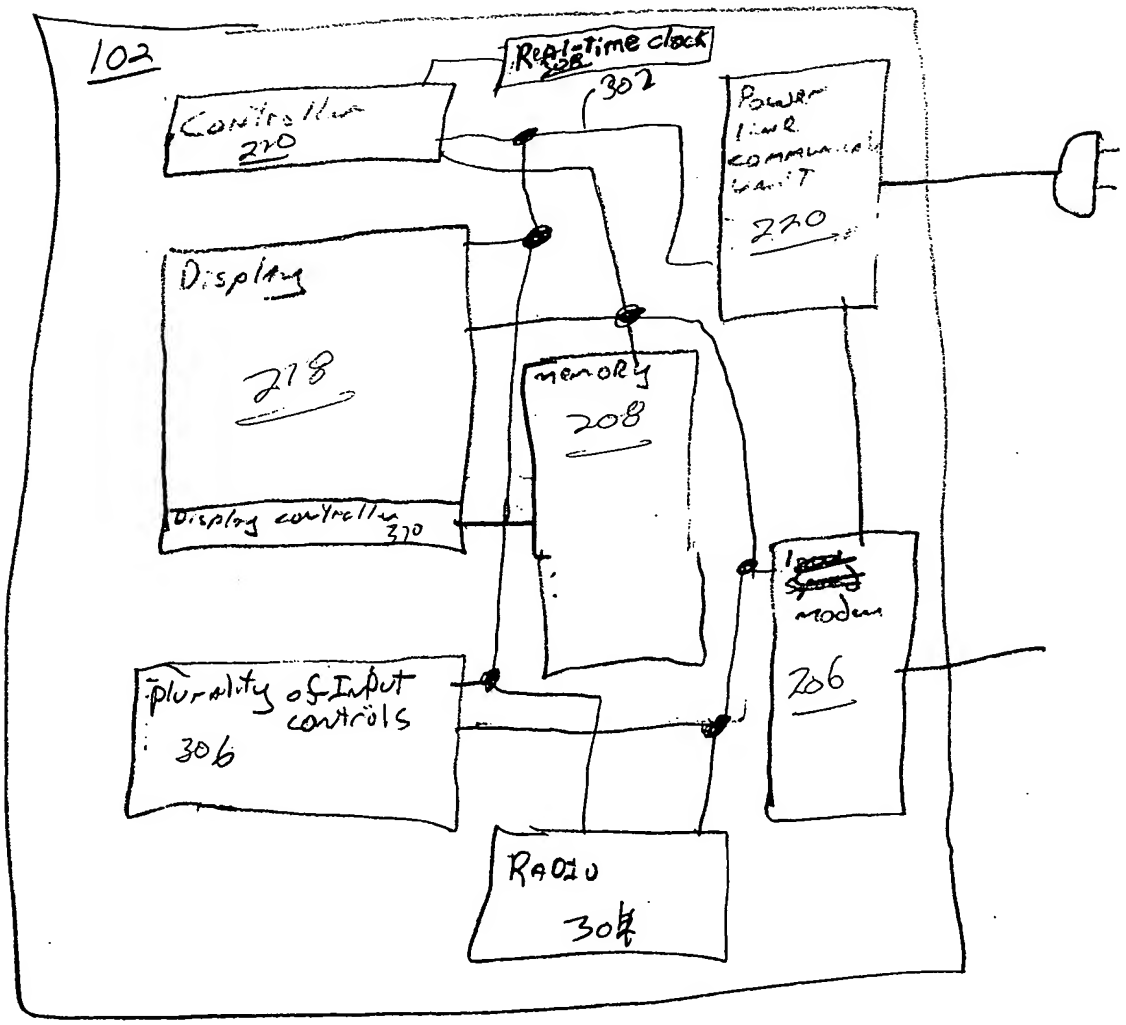
102
Real-time clock
208
302
Controller
220
Power line communication unit
220
Display
218
memory
208
Display controller
320
modem
206
plurality of Input controls
306
Radio
304

FIG. 3

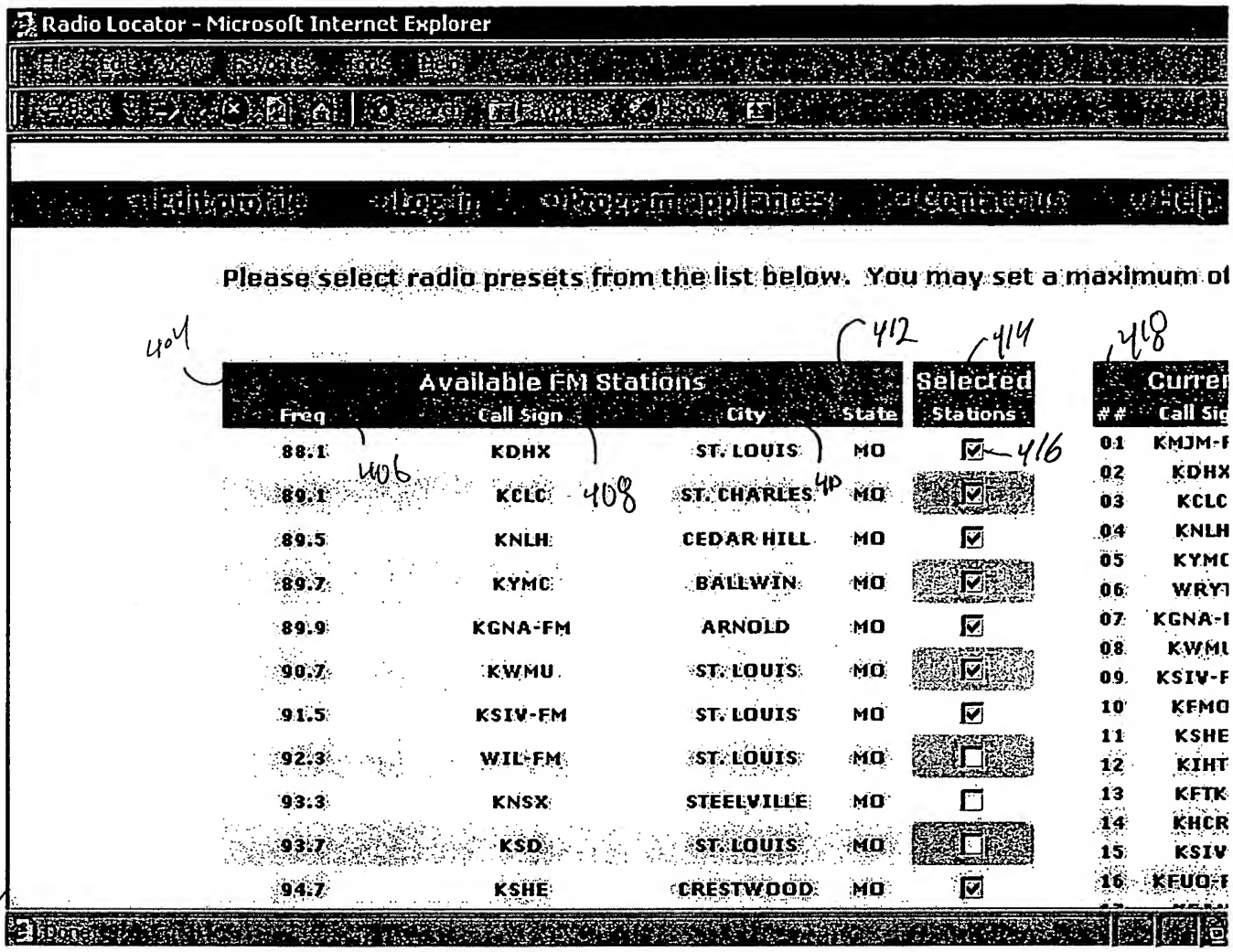
Radio Locator - Microsoft Internet Explorer
Please select radio presets from the list below. You may set a maximum of
404
412
414
418
Available FM Stations
Selected Stations
Freq
Call Sign
City
State
406
408
410
416
88.1 KDHX ST. LOUIS MO
89.1 KCLC ST. CHARLES MO
89.5 KNLH CEDAR HILL MO
89.7 KYMC BALLWIN MO
89.9 KGNA-FM ARNOLD MO
90.7 KWMU ST. LOUIS MO
91.5 KSIV-FM ST. LOUIS MO
92.3 WIL-FM ST. LOUIS MO
93.3 KNSX STEELVILLE MO
93.7 KSD ST. LOUIS MO
94.7 KSHE CRESTWOOD MO
Curre
# #
Call Sig
01 KMJM-F
02 KDHX
03 KCLC
04 KNLH
05 KYMC
06 WRYT
07 KGNA-F
08 KWMU
09 KSIV-F
10 KFMO
11 KSHE
12 KIHT
13 KFTK
14 KHCR
15 KSIV
16 KFUO-F
232

FIG 4

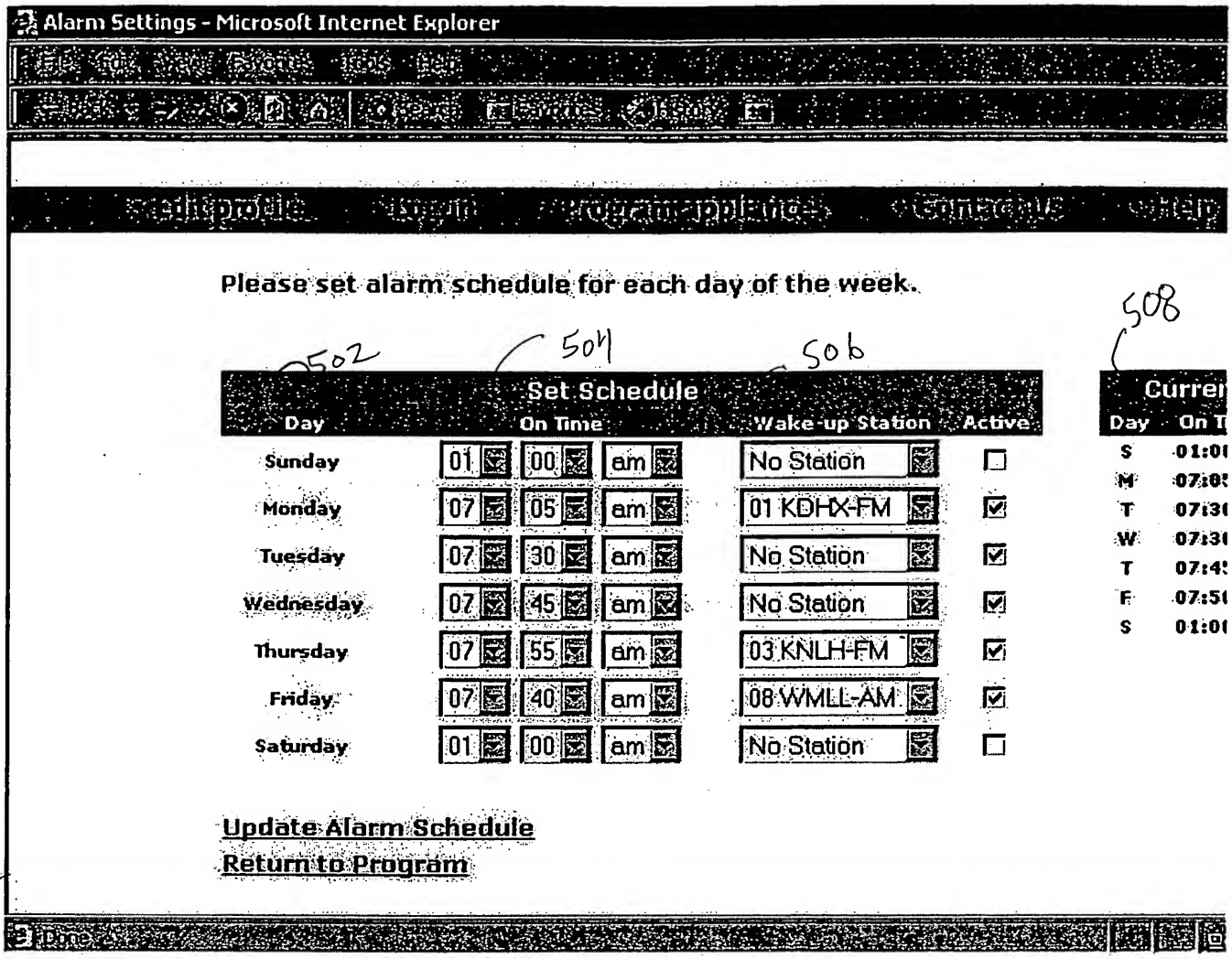
Alarm Settings - Microsoft Internet Explorer
Please set alarm schedule for each day of the week.
502
504
506
508
Set Schedule
Day
On Time
Wake-up Station
Active
Sunday 01 00 am No Station
Monday 07 05 am 01 KDHX-FM
Tuesday 07 30 am No Station
Wednesday 07 45 am No Station
Thursday 07 55 am 03 KNLH-FM
Friday 07 40 am 08 WMLL-AM
Saturday 01 00 am No Station
Update Alarm Schedule
Return to Program
Done
226

FIG 5

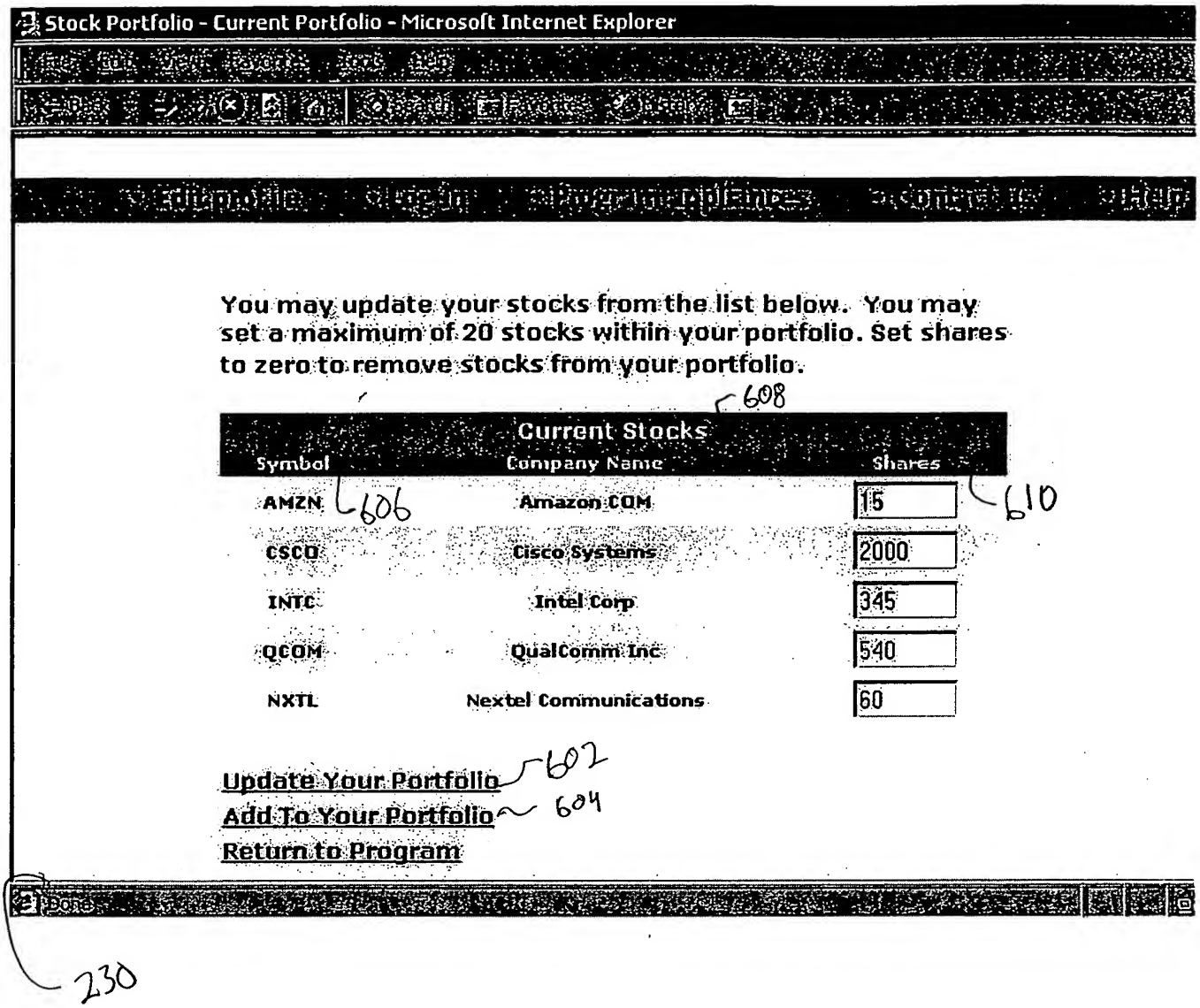
Stock Portfolio - Current Portfolio - Microsoft Internet Explorer
You may update your stocks from the list below. You may set a maximum of 20 stocks within your portfolio. Set shares to zero to remove stocks from your portfolio.
608
Current Stocks
Symbol
Company Name
Shares
606
610
AMZN
Amazon COM
15
CSCO
Cisco Systems
2000
INTC
Intel Corp
345
QCOM
QualComm Inc
540
NXTL
Nextel Communications
60
Update Your Portfolio
602
Add To Your Portfolio
604
Return to Program
Done
230

FIG. 6

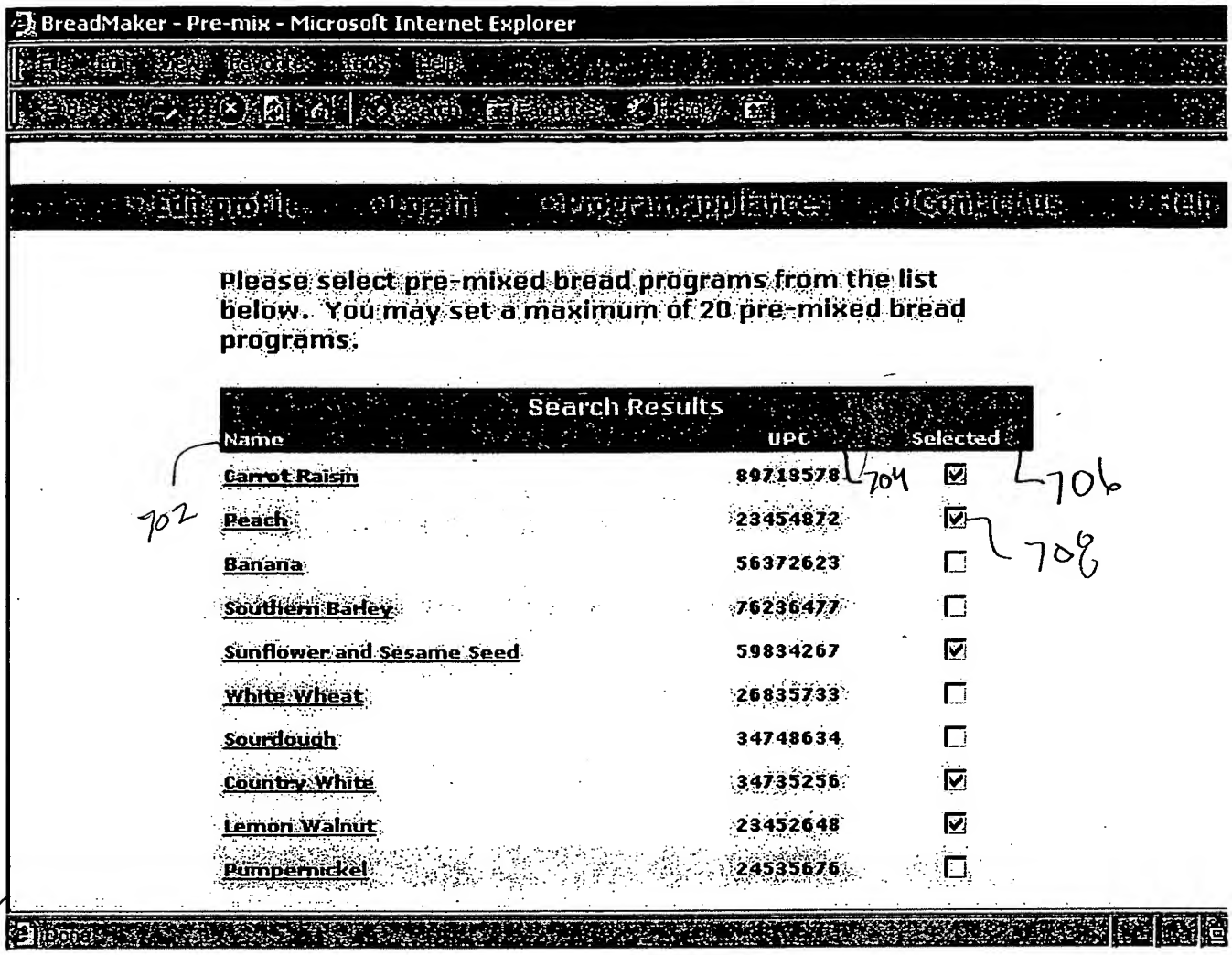
BreadMaker - Pre-mix - Microsoft Internet Explorer
Please select pre-mixed bread programs from the list below. You may set a maximum of 20 pre-mixed bread programs.
Search Results
Name
UPC
Selected
Carrot Raisin 89718578
Peach 23454872
Banana 56372623
Southern Barley 76236477
Sunflower and Sesame Seed 59834267
White Wheat 26835733
Sourdough 34748634
Country White 34735256
Lemon Walnut 23452648
Pumpernickel 24535676
702
704
706
708
238

FIG 7

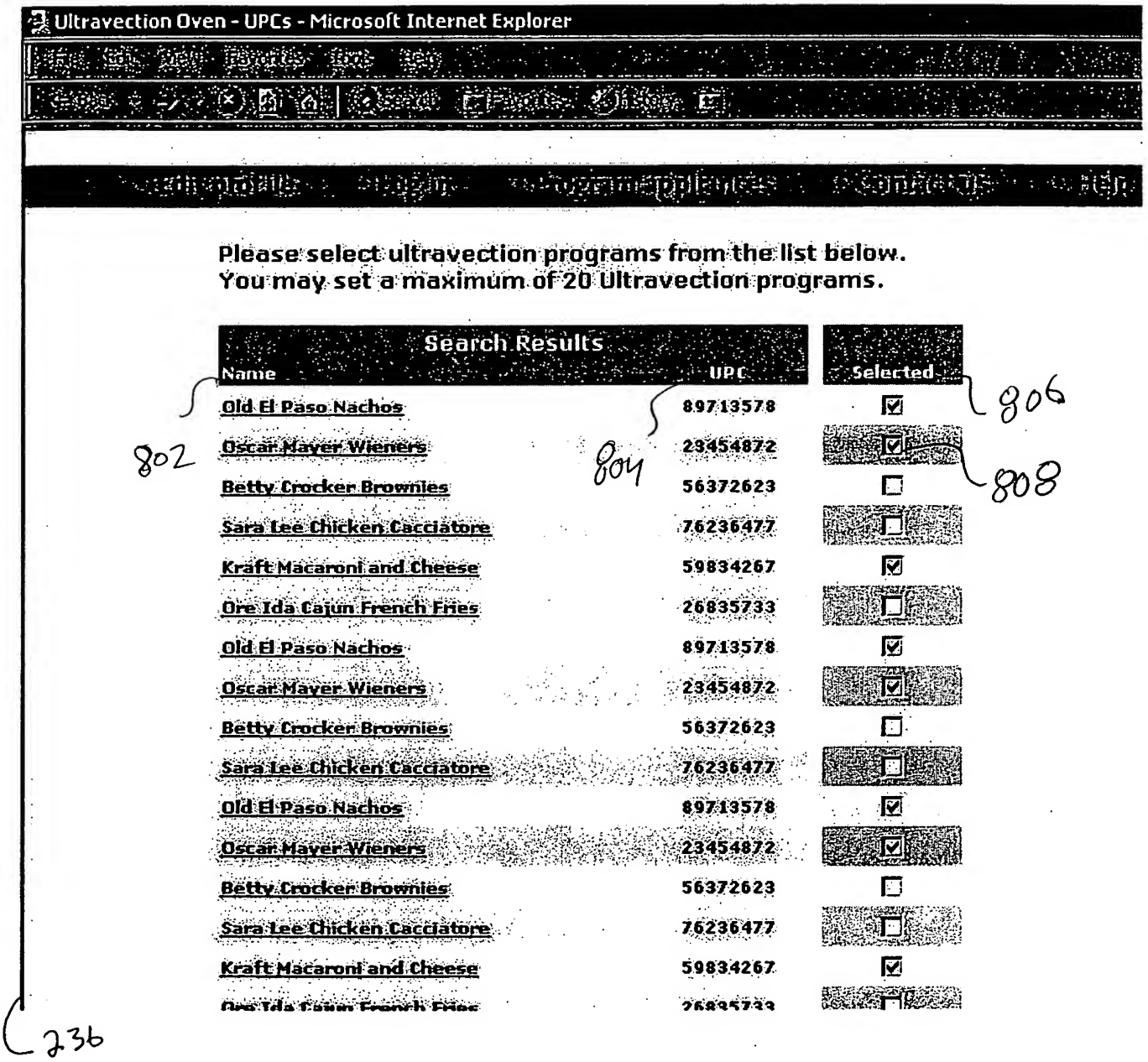
Ultravection Oven - UPCs - Microsoft Internet Explorer
Please select ultravection programs from the list below.
You may set a maximum of 20 Ultravection programs.
Search Results
Name
UPC
Selected
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Kraft Macaroni and Cheese 59834267
Ore Ida Cajun French Fries 26835733
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Kraft Macaroni and Cheese 59834267
802
804
806
808
236

FIG. 8

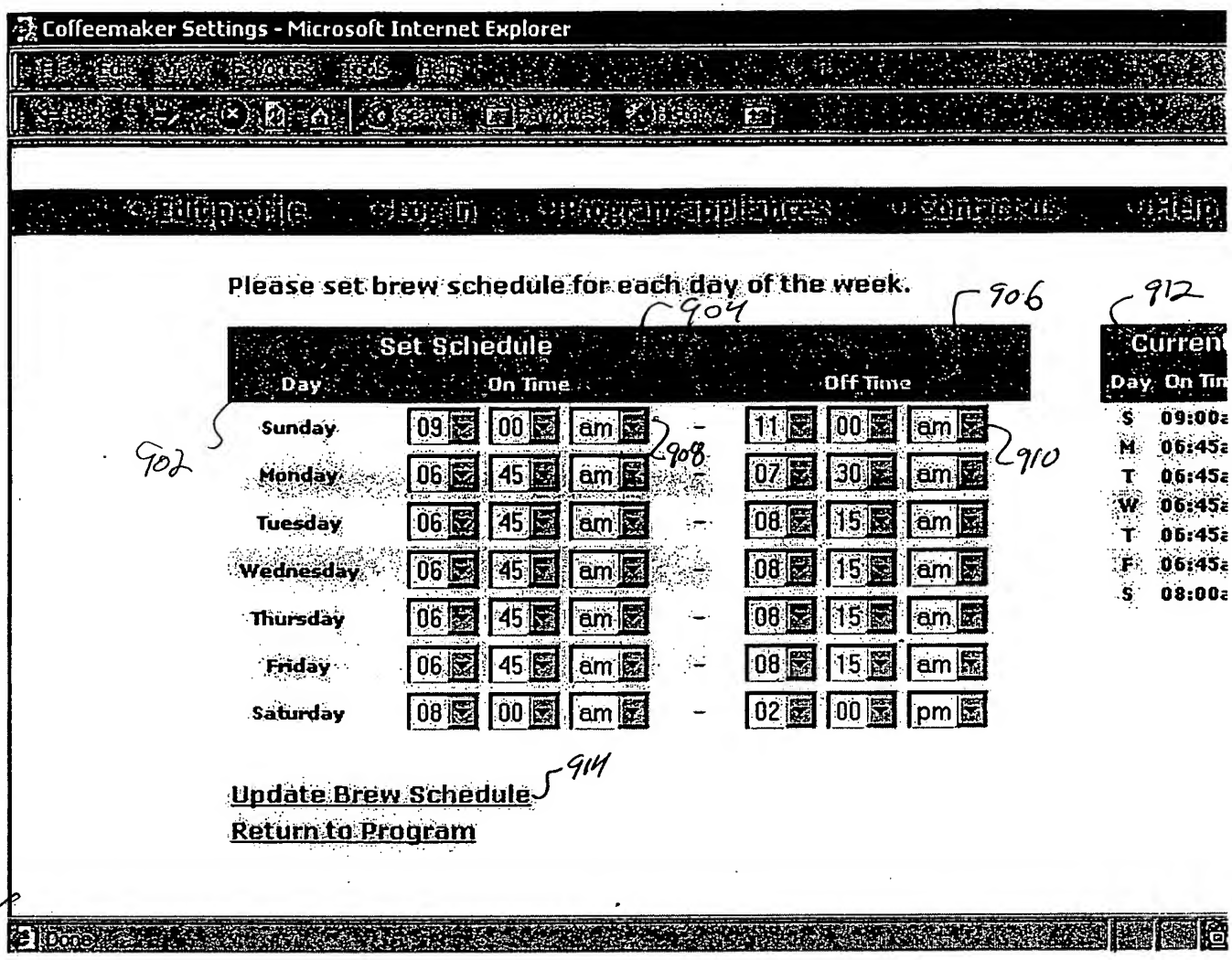
Coffeemaker Settings - Microsoft Internet Explorer
Please set brew schedule for each day of the week.
904
906
912
Set Schedule
Day
On Time
Off Time
Current
Day On Tim
902
908
910
Sunday 09 00 am - 11 00 am
Monday 06 45 am - 07 30 am
Tuesday 06 45 am - 08 15 am
Wednesday 06 45 am - 08 15 am
Thursday 06 45 am - 08 15 am
Friday 06 45 am - 08 15 am
Saturday 08 00 am - 02 00 pm
S 09:00
M 06:45
T 06:45
W 06:45
T 06:45
F 06:45
S 08:00
914
Update Brew Schedule
Return to Program
Done
240

FIG. 9

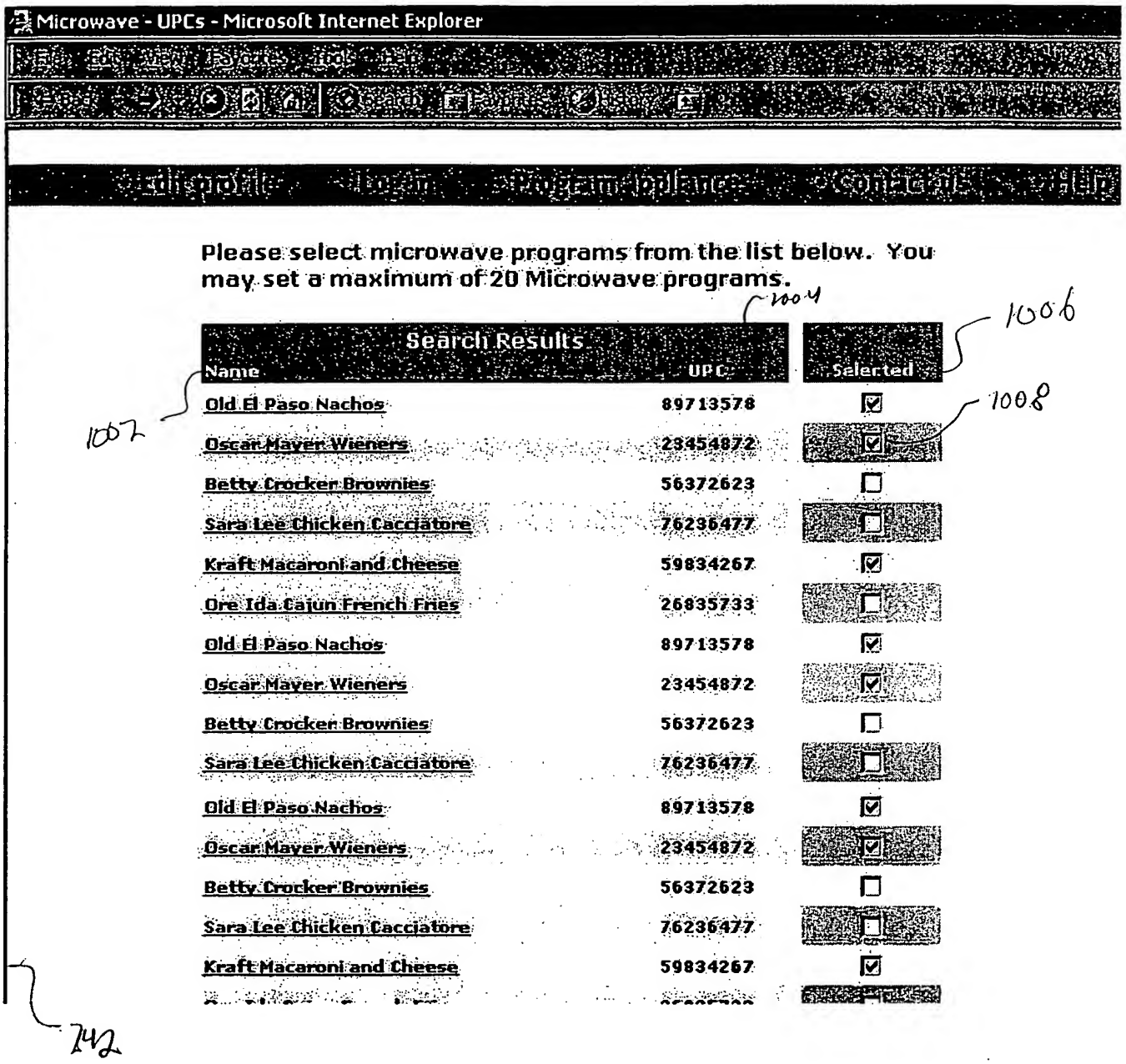
Microwave - UPCs - Microsoft Internet Explorer
Please select microwave programs from the list below. You may set a maximum of 20 Microwave programs.
1004
1006
1008
1007
Search Results
Name
UPC
Selected
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Kraft Macaroni and Cheese 59834267
Ore Ida Cajun French Fries 26835733
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Old El Paso Nachos 89713578
Oscar Mayer Wieners 23454872
Betty Crocker Brownies 56372623
Sara Lee Chicken Cacciatore 76236477
Kraft Macaroni and Cheese 59834267
1002

FIG. 10

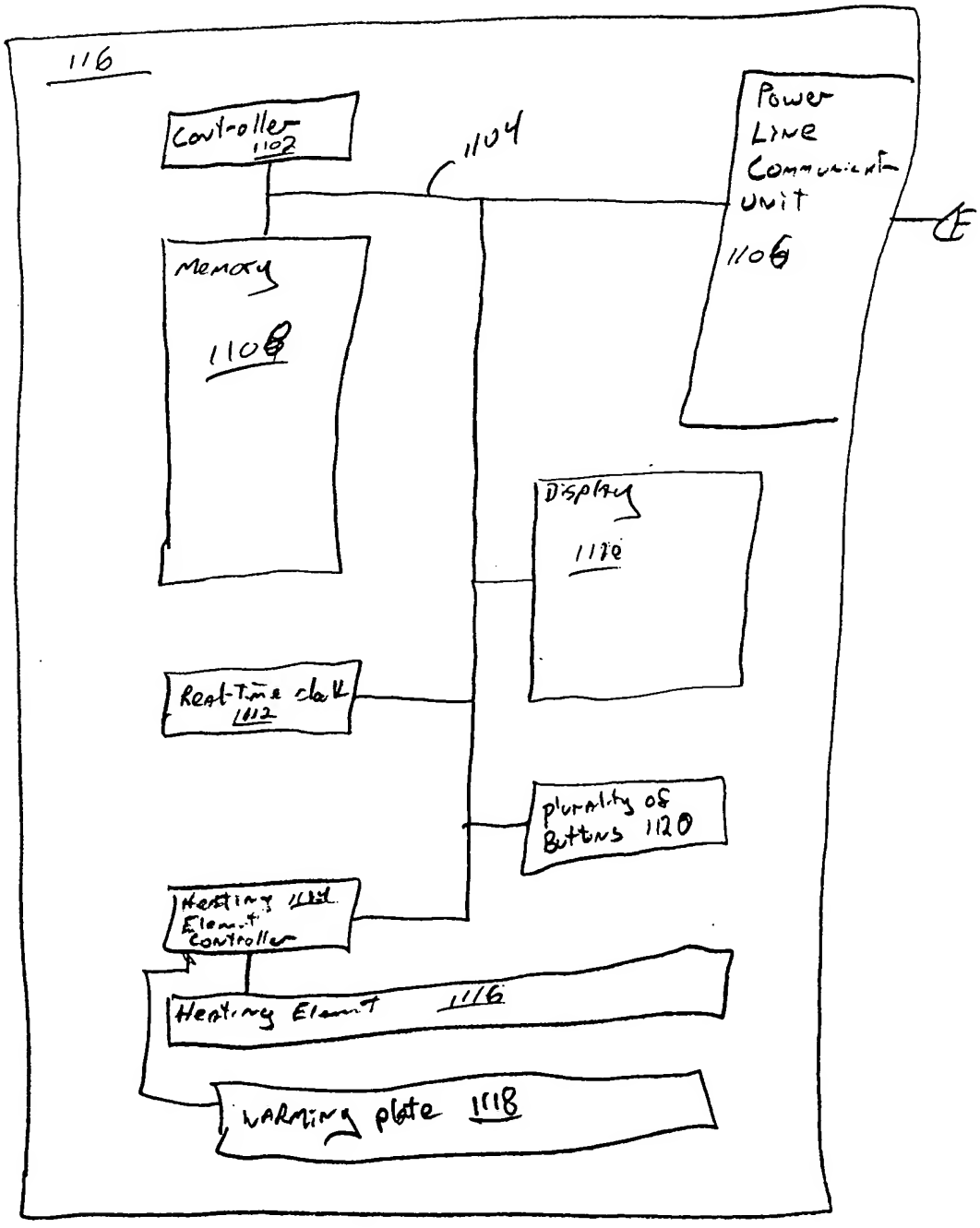
116
Controller 1102
1104
Power Line Communication Unit 1106
E
Memory 1108
Display 1110
Real-Time clock 1112
plurality of Buttons 1120
Heating Element Controller
Heating Element 1116
warming plate 1118

FIG. 11

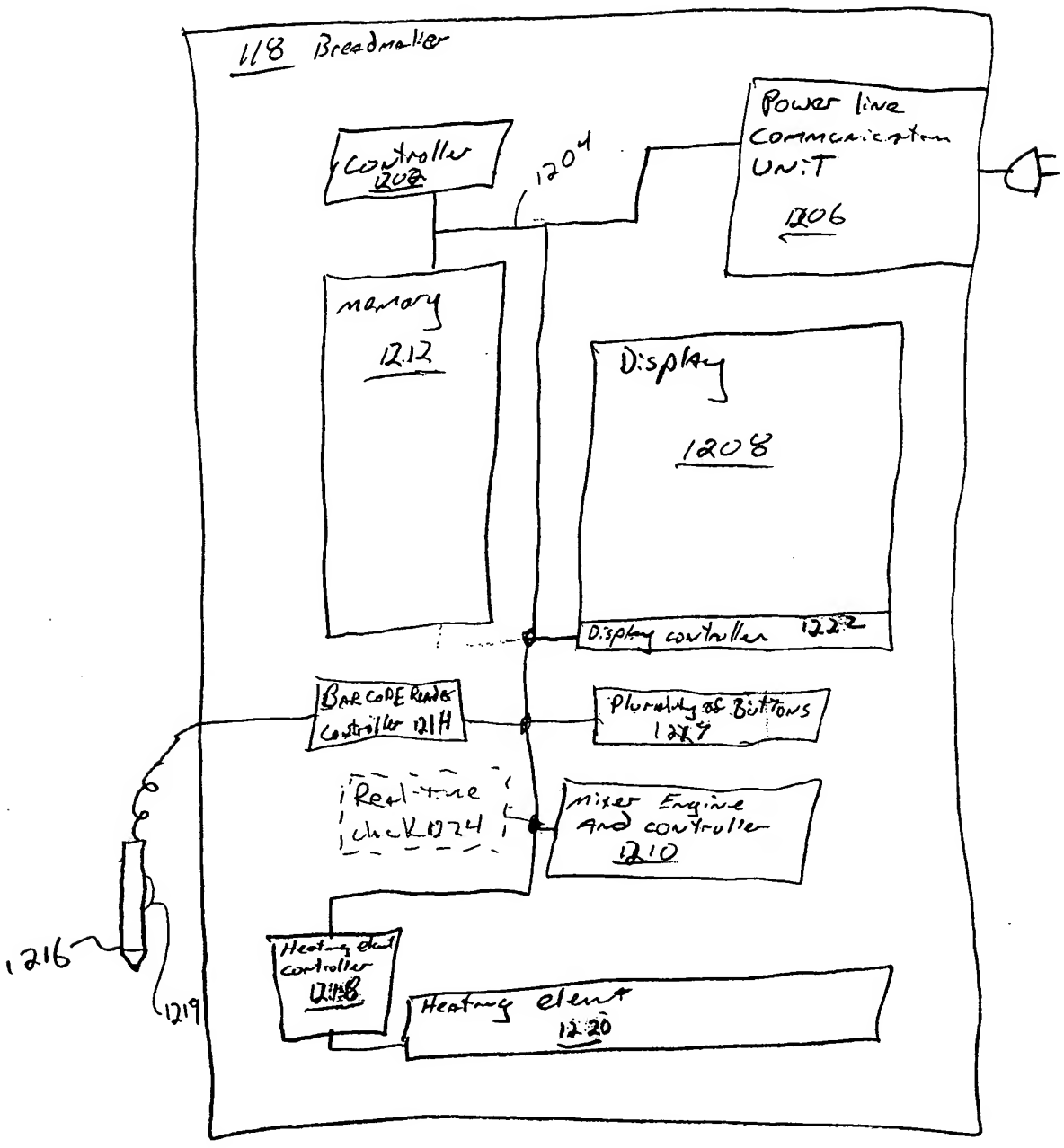
118 Breadmaker
Controller 1202
1204
Power line communication UNIT 1206
memory 1212
Display 1208
Display controller 1222
BAR CODE Reader Controller 1214
Plurality of Buttons 1224
Real-time clock 1224
Mixer Engine AND controller 1210
1216
1219
Heating elem controller 1218
Heating elem 1220

FIG. 12

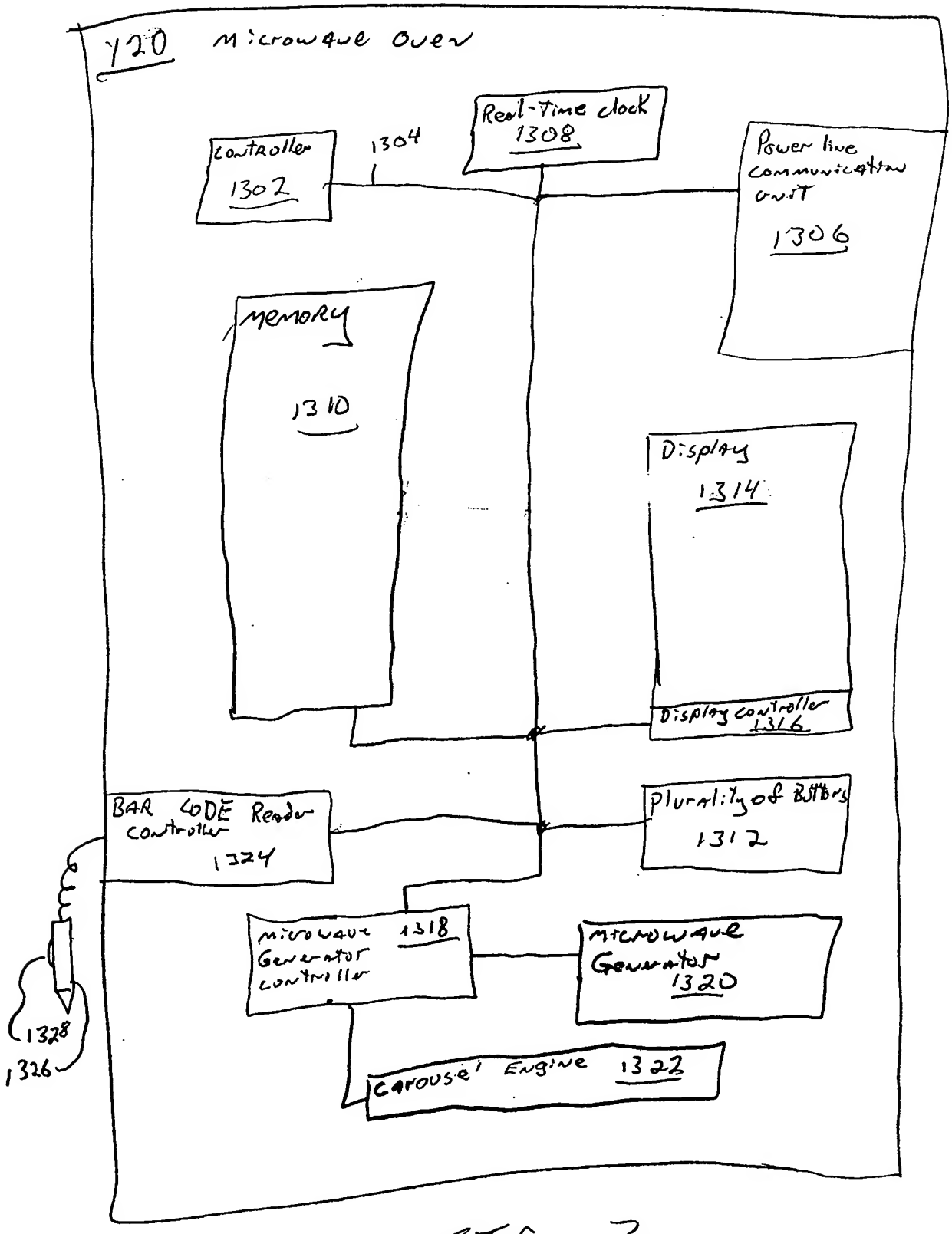
120 Microwave Oven
Real-Time clock 1308
Controller 1302
1304
Power line communication unit 1306
Memory 1310
Display 1314
Display controller 1316
BAR CODE Reader controller 1324
Plurality of Buttons 1312
Microwave Generator controller 1318
Microwave Generator 1320
Carousel Engine 1322
1328
1326

FIG. 13

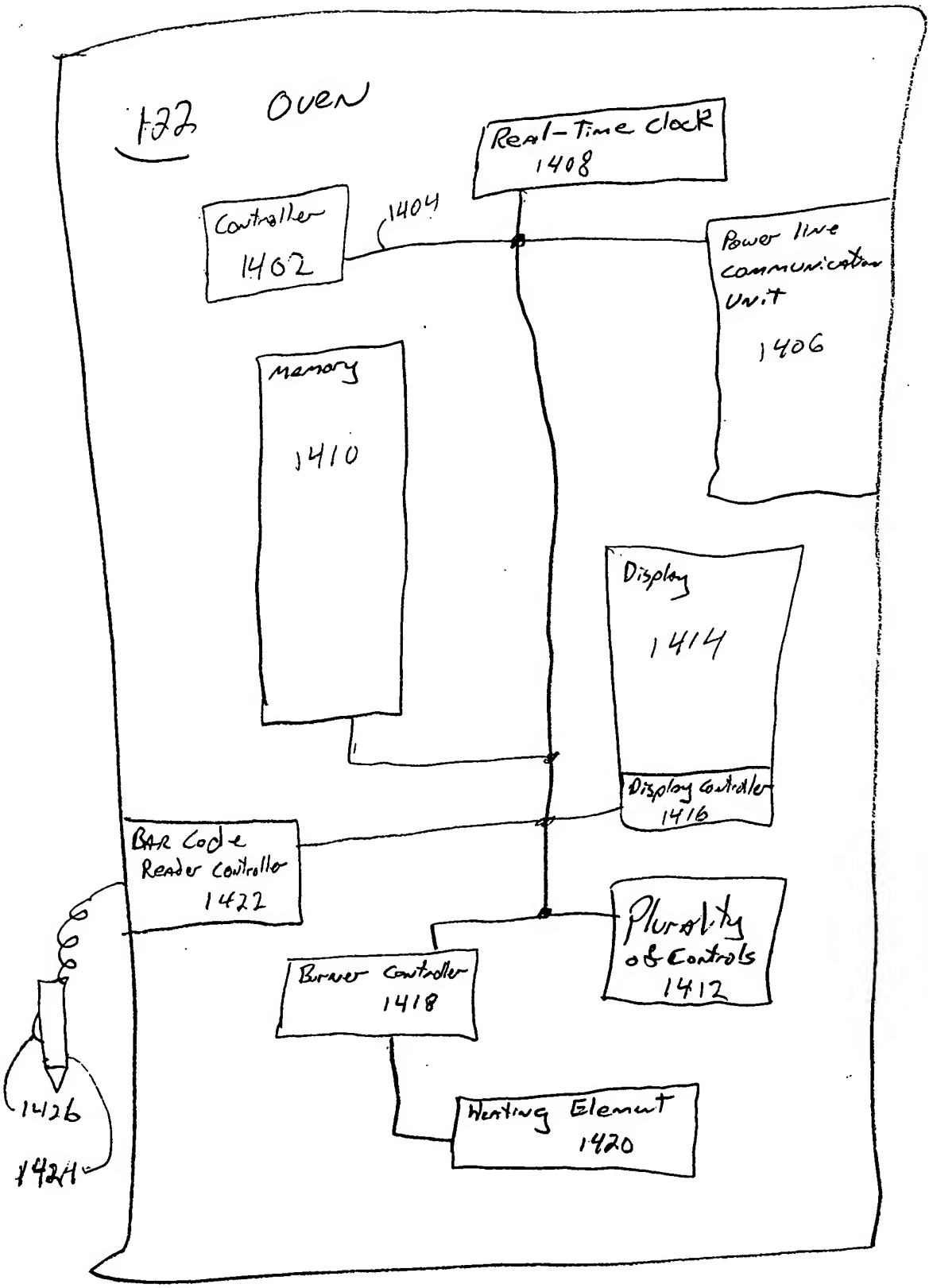
122
OVEN
Real-Time clock
1408
Controller
1402
1404
Power line
communication
Unit
1406
Memory
1410
Display
1414
Display Controller
1416
Bar Code
Reader Controller
1422
Plurality
of Controls
1412
Burner Controller
1418
Heating Element
1420
1426
1424

FIG. 14

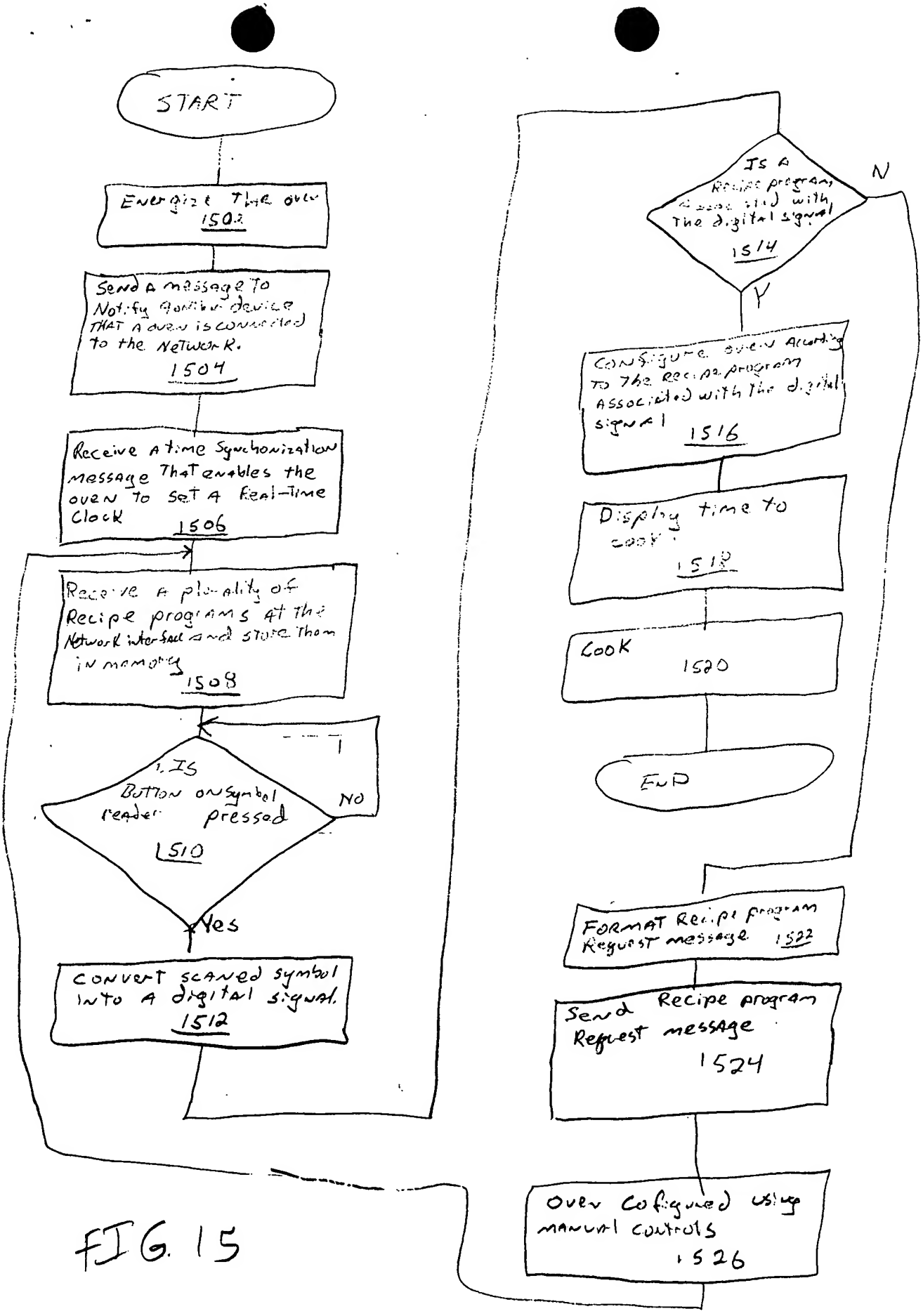
START
Energize The oven 1502
Send A message To Notify Another device THAT A oven is connected to the Network. 1504
Receive A time Synchonization message That enables the oven To set A Real-Time Clock 1506
Receive A plurality of Recipe programs at the Network interface and store them in memory 1508
Is Button on Symbol reader pressed 1510
NO
Yes
CONVERT SCANED symbol INTO A digital signal. 1512
Is A Recipe program associated with The digital signal 1514
N
Y
CONFIGURE oven According To The Recipe program Associated with The digital signal 1516
Display time To cook 1518
CooK 1520
END
FORMAT Recipe program Request message 1522
Send Recipe program Request message 1524
Oven Configured using manual controls 1526

FIG. 15